

CLAIMS

1. A cargo protector comprising:
 - a front panel;
 - a first side panel, said front panel and said first side panel defining an angle greater than perpendicular;
 - a second side panel, said front panel and said second side panel defining an angle greater than perpendicular;
 - a plurality of ribs,
 - wherein said ribs each have a first wall, a second wall and a face therebetween,
 - wherein said first wall and said second wall are each at least 3" deep, and said face is at least 7" wide;
 - a plurality of channels between adjacent ribs; and
 - wherein said cargo protector is made of high molecular weight high density polyethylene.
2. A cargo protector of claim 1 wherein said front panel is comprised of
 - a first half, and
 - a second half,
 - said first half and said second half cooperating through a tongue and groove system so as to allow said front panel to be of adjustable width.
3. A cargo protector of claim 2 comprising:
 - a top tongue-and-groove system;

a bottom tongue-and-groove system;

wherein said first half has a tongue located at the top and a groove at the bottom, said second half has a groove located at the top and a tongue at the bottom, and said tongue and groove of said first half cooperating with said groove and tongue of said second half; and

an aperture within said front panel defined by said top tongue-and-groove system, said bottom tongue-and-groove system, said first half, and said second half.

4. A cargo protector comprising:

a front panel;

a first side panel, said front panel and said first side panel defining an angle greater than perpendicular;

a second side panel, said front panel and said second side panel defining an angle greater than perpendicular;

a plurality of ribs; and

a plurality of channels between adjacent ribs;

5. A cargo protector of claim 4 wherein said cargo protector is made of high molecular weight high density polyethylene.

6. A cargo protector of claim 4 wherein said ribs each have

a first wall;

a second wall; and

a face therebetween.

7. The cargo protector of claim 6 wherein
said first wall and said second wall are each at least 3" deep; and
said face is at least 7" wide.
8. A cargo protector of claim 7 wherein said cargo protector is made of high molecular weight high density polyethylene.
9. A cargo protector of claim 4 wherein:
said front panel is comprised of
a first half; and
a second half,
said first half and said second half cooperating through a tongue and groove system so as to allow said front panel to be of adjustable width.
10. A cargo protector of claim 9 wherein said cargo protector is made of high molecular weight high density polyethylene.
11. A cargo protector of claim 9 comprising:
a top tongue-and-groove system;
a bottom tongue-and-groove system;
wherein said first half has a tongue located at the top and a groove at the bottom, said second half has a groove located at the top and a tongue at the bottom, and said tongue and groove of said first half cooperating with said groove and tongue of said second half; and

an aperture within said front panel defined by said top tongue-and-groove system, said bottom tongue-and-groove system, said first half, and said second half.

12. A cargo protector of claim 11 wherein said cargo protector is made of high molecular weight high density polyethylene.

13. A corner protector comprising:

a front panel;

a side panel,

wherein said front panel and said side panel define an angle greater than perpendicular;

an upper ledge, adjacent said front panel and said side panel;

a plurality of ribs located on said front panel and said side panel; and

a plurality of channels,

each channel located between adjacent ribs.

14. A corner protector of claim 13 wherein said corner protector is made of high molecular weight high density polyethylene.

15. A corner protector of claim 13 wherein said ribs each have

a first wall;

a second wall; and

a face therebetween.

16. The corner protector of claim 15 wherein
said first wall and said second wall are each at least 3" deep; and
said face is at least 7" wide.
17. A corner protector of claim 16 wherein said corner protector is made of high
molecular weight high density polyethylene.
18. A corner and bulkhead protector for a cargo carrying vehicle comprising;
a first cargo engaging surface;
a second cargo engaging surface;
said first cargo engaging surface adapted to engage a front face of an item of
cargo;
said second cargo engaging surface adapted to engage a side of an item of
cargo;
a first strap engaging surface;
a second strap engaging surface;
said first strap engaging surface being opposite said first cargo engaging
surface, defining a first wall therebetween;
said second strap engaging surface being opposite said second cargo engaging
surface, defining a second wall therebetween;
a first strap supporting surface;
a second strap supporting surface;
said first strap supporting surface extending substantially perpendicularly
outwardly from said first wall;

said second strap engaging surface being opposite said second cargo engaging surface, extending substantially perpendicularly outwardly from said second wall;

said first and second strap supporting surfaces forming a continuous and coplanar strap support member;

first and second vertical webs extending upward from said first and second strap supporting surfaces in planes perpendicular to said walls;

first and second horizontal webs extending inward from said first and second vertical webs in a plane perpendicular to said strap support member;

said combination of walls, supporting surfaces and webs forming a first corrugation;

a second corrugation corresponding in form to said first corrugation, formed and arranged to extend said protector over a selected portion of a corner of a cargo;

said corrugations providing for both increased strength and rigidity and providing support for load restraining web straps.

19. The protector of claim 18, further comprising:

said supporting surfaces, horizontal webs and walls formed and arranged to provide a corrugation at least 3" deep; and at least 7" wide.

20. The protector of claim 19 wherein said corner protector is made of high molecular weight high density polyethylene.